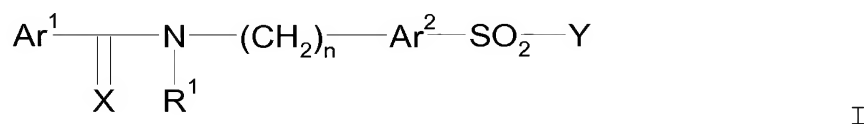


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A sulfonamide compound according to formula I



with its geometrical isomers, in an optically active form as enantiomers, diastereomers, as well as in the form of racemates, as well as pharmaceutically acceptable salts thereof, wherein

Ar¹ is selected from the group consisting of phenyl, thienyl, furanyl, pyridyl, and optionally substituted by substituted or unsubstituted C₁-C₆ alkyl, substituted or unsubstituted C₁-C₆ alkoxy, substituted or unsubstituted C₂-C₆ alkenyl, substituted or unsubstituted C₂-C₆ alkynyl, amino, acylamino, aminocarbonyl, C₁-C₆ alkoxy carbonyl, aryl, carboxyl, cyano, halo, hydroxy, nitro, sulfonyl, sulfoxy, acyloxy, C₁-C₆ thioalkoxy;

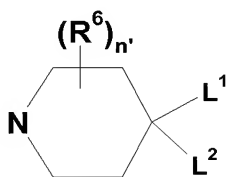
Ar² is selected from the group consisting of thienyl, furanyl, and pyridyl;

X is O or S;

R^1 is hydrogen or a C_1 - C_6 -alkyl group, or R^1 forms a substituted or unsubstituted 5-6-membered saturated or unsaturated ring with Ar^1 ;

n is an integer from 0 to 5;

Y is a piperidino group of the formula



wherein

L^1 and L^2 are independently selected from the group consisting of H, substituted or unsubstituted C_1 - C_6 -alkyl, substituted or unsubstituted C_2 - C_6 -alkenyl, substituted or unsubstituted C_2 - C_6 -alkynyl, and substituted or unsubstituted cyclic C_4 - C_8 -alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl; or L^1 and L^2 are independently selected from the group consisting of substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, aryl- C_1 - C_6 -alkyl, heteroaryl- C_1 - C_6 -alkyl, $-C(O)-OR^3$, $-C(O)-R^3$, $-C(O)-NR^{3'}R^3$, $-NR^{3'}R^3$, $-NR^{3'}C(O)R^3$, $-NR^{3'}C(O)NR^{3'}R^3$, $-(SO)R^3$, $-(SO_2)R^3$, $-NHSO_2R^3$, and $-SO_2NR^{3'}R^3$,

with R^3 and $R^{3'}$ being substituents independently selected from the group consisting of H, substituted or unsubstituted C_1 - C_6 -alkyl, substituted or unsubstituted C_2 - C_6 -alkenyl, substituted or unsubstituted aryl, substituted or

unsubstituted heteroaryl, substituted or unsubstituted aryl-C₁-C₆-alkyl, and substituted or unsubstituted heteroaryl-C₁-C₆-alkyl;

said aryl or heteroaryl groups being optionally substituted C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkynyl, amino, acylamino, aminocarbonyl, C₁-C₆-alkoxycarbonyl, aryl, carboxyl, cyano, halogen, hydroxy, nitro, sulfonyl, sulfoxy or C₁-C₆-thioalkoxy; and

R⁶ is selected from the group consisting of hydrogen, substituted or unsubstituted C₁-C₆-alkyl, substituted or unsubstituted C₁-C₆-alkoxy, OH, halogen, nitro, cyano, sulfonyl, and oxo (=O); and

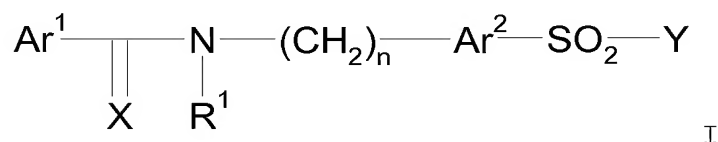
n' is an integer from 0 to 4;

with the proviso that if Ar¹ is 4-chlorophenyl, then X is O, R¹ is H, Ar² is thienyl, and Y is not para-substituted by 2-hydroxyethyl;

wherein the term "substituted" means that the group that is substituted is substituted with from its 5 substituents, said substituents being a group selected from the group consisting of C₁-C₆ alkyl; C₁-C₆ alkyl aryl; C₁-C₆ alkyl heteroaryl; C₂-C₆ alkenyl; C₂-C₆ alkynyl; primary, secondary or tertiary amino groups; quaternary ammonium groups; acyl; acyloxy; acylamino; aminocarbonyl; alkoxycarbonyl; aryl; heteroaryl; carboxyl; cyano; halogen;

hydroxyl; mercapto; nitro; sulfoxy; sulfonyl; alkoxy, thioalkoxy; and trihalomethyl.

2. (Previously Presented) A composition comprising a sulfonamide compound according to formula I



with its geometrical isomers, in an optically active form as enantiomers, diastereomers, as well as in the form of racemates, as well as pharmaceutically acceptable salts thereof, wherein

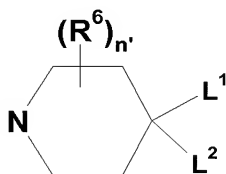
X is O or S;

Ar¹ and Ar² are a substituted or unsubstituted aryl or heteroaryl group;

R¹ is hydrogen or a C₁-C₆-alkyl group, or R¹ forms a substituted or unsubstituted 5-6-membered saturated or unsaturated ring with Ar¹;

n is an integer from 0 to 5;

Y is a piperidino group of the formula



wherein

L^1 and L^2 are independently selected from the group consisting of H, substituted or unsubstituted C_1 - C_6 -alkyl, substituted or unsubstituted C_2 - C_6 -alkenyl, substituted or unsubstituted C_2 - C_6 -alkynyl, and substituted or unsubstituted cyclic C_4 - C_8 -alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl; or L^1 and L^2 are independently selected from the group consisting of substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, aryl- C_1 - C_6 -alkyl, heteroaryl- C_1 - C_6 -alkyl, $-C(O)-OR^3$, $-C(O)-R^3$, $-C(O)-NR^{3'}R^3$, $-NR^{3'}R^3$, $-NR^{3'}C(O)R^3$, $-NR^{3'}C(O)NR^{3'}R^3$, $-(SO)R^3$, $-(SO_2)R^3$, $-NHSO_2R^3$, and $-SO_2NR^{3'}R^3$,

with R^3 and $R^{3'}$ being substituents independently selected from the group consisting of H, substituted or unsubstituted C_1 - C_6 -alkyl, substituted or unsubstituted C_2 - C_6 -alkenyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or unsubstituted aryl- C_1 - C_6 -alkyl, and substituted or unsubstituted heteroaryl- C_1 - C_6 -alkyl;

said aryl or heteroaryl groups being optionally substituted C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, amino, acylamino, aminocarbonyl, C_1 - C_6 -alkoxycarbonyl, aryl, carboxyl, cyano, halogen, hydroxy, nitro, sulfonyl, sulfoxy, or C_1 - C_6 -thioalkoxy; and

R^6 is selected from the group consisting of hydrogen, substituted or unsubstituted C_1-C_6 -alkyl, substituted or unsubstituted C_1-C_6 -alkoxy, OH, halogen, nitro, cyano, sulfonyl, and oxo ($=O$); and

n' is an integer from 0 to 4;

and a pharmaceutically acceptable carrier.

Claims 3-4. (Cancelled)

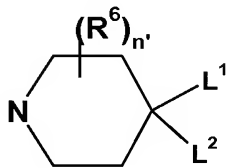
5. (Previously Presented) A sulfonamide compound according to claim 1, wherein Ar^1 is selected from the group consisting of phenyl, thienyl, furyl, pyridyl, and optionally substituted by C_1-C_6 -alkyl, C_1-C_6 -alkoxy, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, amino, acylamino, aminocarbonyl, C_1-C_6 -alkoxycarbonyl, aryl, carboxyl, cyano, halogen, hydroxy, nitro, sulfonyl and C_1-C_6 -thioalkoxy.

6. (Previously Presented) A sulfonamide compound according to claim 5, wherein Ar^1 is an unsubstituted or substituted phenyl.

7. (Previously Presented) A sulfonamide compound according to claim 5, wherein Ar^2 is thienyl or furanyl group.

8. (Previously Presented) A sulfonamide compound according to claim 1, wherein Ar^1 is selected from the group consisting of a 4-chlorophenyl, nitrophenyl, hydroxyphenyl, alkoxy phenyl, pyridyl, 3,4,-dihydroxyphenyl, and X is O, R^1 is hydrogen, n is 1, Ar^2 is thienyl or furanyl.

9. (Previously Presented) A sulfonamide compound according to claim 8, wherein Y is



(R^6) is selected from the group consisting of hydrogen, substituted or unsubstituted $\text{C}_1\text{-C}_6$ alkyl, substituted or unsubstituted $\text{C}_1\text{-C}_6$ alkoxy, OH, halogen, nitro, cyano, sulfonyl, and oxo; n' is an integer of from 0 to 4; and

wherein L^1 and L^2 are independently selected from each other from the group consisting of H, substituted or unsubstituted $\text{C}_1\text{-C}_6$ - alkyl, substituted or unsubstituted $\text{C}_2\text{-C}_6$ alkenyl; or L^1 and L^2 are independently selected from the group consisting of substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or unsubstituted cyclic $\text{C}_4\text{-C}_8$ alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl, aryl- $\text{C}_1\text{-C}_4$ alkyl,

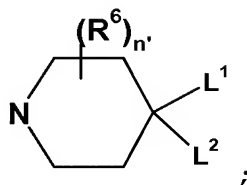
heteroaryl-C₁-C₄ alkyl, -C(O)-OR³, -C(O)-R³, -C(O)-NR^{3'}R³, -NR^{3'}R³; -NR^{3'}C(O)R³, -NR^{3'}C(O)R^{3'}R³, -(SO)R³, -(SO₂)R³, -NHSO₂R³, and -SO₂NR³R^{3'};

with R³ and R^{3'} being substituents independently selected from the group consisting of H, substituted or unsubstituted C₁-C₄ alkyl, substituted or unsubstituted C₂-C₆ alkenyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or unsubstituted aryl-C₁-C₄-alkyl, substituted or unsubstituted heteroaryl-C₁-C₆-alkyl;

said aryl or heteroaryl groups being optionally substituted with a member selected from the group consisting of C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkynyl, amino, acylamino, aminocarbonyl, C₁-C₆-alkoxycarbonyl, aryl, carboxyl, cyano, halogen, hydroxy, nitro, sulfonyl, sulfoxy and C₁-C₆-thioalkoxy.

10. (Previously Presented) A sulfonamide compound according to claim 9, wherein R⁶ is H, L² is H, L¹ is a 5-membered cyclic group containing 3 heteroatoms or L¹ is -C(O)-R³, or -NHR³;

wherein Y is



n' is an integer of from 0 to 4;

with R^3 being a substituent selected from the group comprising or consisting of C_1 - C_4 -alkyl, aryl, heteroaryl, aryl- C_1 - C_4 -alkyl and heteroaryl- C_1 - C_6 -alkyl;

said aryl or heteroaryl groups being optionally substituted by halogen, hydroxy, nitro, or sulfonyl.

11. (Currently Amended) A sulfonamide compound according to claim 1, selected from the group consisting of:

4-chloro-N-{5-[4-(3-trifluoromethanesulfonyl-phenylamino)-piperidine-1-sulfonyl]-thiophen-2-ylmethyl}-benzamide;

4-chloro-N-[(5-{[4-(4-fluorobenzoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-({5-[(4-hydroxy-4-phenylpiperidin-1-yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-({5-[(4-benzoylpiperidin-1-yl)sulfonyl]thien-2-yl)methyl}-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-({5-[(4-benzylpiperidin-1-yl)sulfonyl]thien-2-yl)methyl)-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(2,4-difluorobenzoyl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

4-chloro-N-{[5-(piperidin-1-ylsulfonyl)thien-2-yl)methyl]benzamide;

4-chloro-N-{[5-({3-hydroxy-4-[3-(trifluoromethyl)phenyl]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

~~4-chloro-N-({5-[(4-hydroxypiperidin-1-yl)sulfonyl]thien-2-yl)methyl}benzamide;~~

N-({5-[(4-benzyl-4-hydroxypiperidin-1-yl)sulfonyl]thien-2-yl)methyl)-4-chlorobenzamide;

N-{[5-({4-[(2-tert-butyl-1H-indol-5-yl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl}-4-chlorobenzamide;

4-chloro-N-{[5-({4-[(phenylacetyl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-[(5-{[4-(2H-1,2,3-benzotriazol-2-yl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(4-chlorobenzoyl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-{[5-({4-[benzyl(methyl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl}-4-chlorobenzamide;

4-chloro-N-([5-([4-[3-(2,4-dichlorophenyl)-1H-pyrazol-5-yl]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

4-chloro-N-([5-([4-(2,3,4,5,6-pentamethylbenzoyl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

4-chloro-N-([5-([4-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-([5-([4-anilinopiperidin-1-yl)sulfonyl]thien-2-yl)methyl)-4-chlorobenzamide;

4-chloro-N-([5-([4-(2-phenylethyl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-([5-([4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-4-chlorobenzamide;

2-{1-[5-([4-chlorobenzoyl)amino]methyl]thien-2-yl)sulfonyl]piperidin-4-yl}-2H-1,2,3-benzotriazole-5-carboxylic acid;

methyl 1-{1-[5-([4-chlorobenzoyl)amino]methyl]thien-2-yl)sulfonyl]piperidin-4-yl}-1H-1,2,3-benzotriazole-5-carboxylate;

methyl 1-{1-[5-([4-chlorobenzoyl)amino]methyl]thien-2-yl)sulfonyl]piperidin-4-yl}-1H-1,2,3-benzotriazole-6-carboxylate;

methyl 2-{1-[(5-{[(4-chlorobenzoyl)amino]methyl}thien-2-yl)sulfonyl]piperidin-4-yl}-2H-1,2,3-benzotriazole-5-carboxylate;

4-chloro-N-[(5-{[4-(6-chloro-1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-{[5-({4-[5-(trifluoromethyl)-1H-1,2,3-benzotriazol-1-yl]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}benzamide;

N-[(5-{[4-(7-aza-1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

1-{1-[(5-{[(4-chlorobenzoyl)amino]methyl}thien-2-yl)sulfonyl]piperidin-4-yl}-1H-1,2,3-benzotriazole-5-carboxylic acid;

1-{1-[(5-{[(4-chlorobenzoyl)amino]methyl}thien-2-yl)sulfonyl]piperidin-4-yl}-1H-1,2,3-benzotriazole-6-carboxylic acid;

N-[(5-{[4-(2-amino-9H-purin-9-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(9H-purin-9-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(6-amino-9H-purin-9-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-({5-[4-(6-nitro-1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl}benzamide;

4-chloro-N-({5-[(4-{5-nitro-1H-benzimidazol-1-yl}piperidin-1-yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-[(5-{[4-(2H-1,2,3-triazol-2-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-{[5-({4-[3-propylanilino]piperidin-1-yl)sulfonyl}thien-2-yl)methyl}benzamide;

4-chloro-N-{[5-({4-[3-(dimethylamino)anilino]piperidin-1-yl)sulfonyl}thien-2-yl)methyl}benzamide;

methyl 3-({1-[(5-{[(4-chlorobenzoyl)amino]methyl}thien-2-yl)sulfonyl]piperidin-4-yl}amino)-benzoate;

4-chloro-N-{[5-({4-[3-(methylsulfonyl)anilino]piperidin-1-yl)sulfonyl}thien-2-yl)methyl}benzamide;

4-chloro-N-({5-[(4-{3-nitroanilino}piperidin-1-yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-[(5-{[4-(2-methoxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

3-({1-[(5-{[(4-chlorobenzoyl)amino]methyl}thien-2-yl)sulfonyl]piperidin-4-yl}amino)benzamide;

4-chloro-N-({5-[(4-{2-nitro-4-
[(trifluoromethyl)sulfonyl]anilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-[(5-{[4-(4-chloroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-({5-[(4-{4-
[(trifluoromethyl)sulfonyl]anilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-({5-[(4-{2-nitroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-{{5-({4-[4-(aminocarbonyl)anilino]piperidin-1-
yl)sulfonyl}thien-2-yl)methyl}-4-chlorobenzamide;

N-[(5-{[4-(3-chloroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}-3-nitrobenzamide;

4-chloro-N-[(5-{[4-(3-chloroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-[(5-{[4-(3-methoxyanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

4-chloro-N-{{5-({4-[3-
(methylsulfonyl)anilino]piperidin-1-yl)sulfonyl}thien-2-
yl)methyl}benzamide;

N-[(5-{[4-(2-aminoanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(2-hydroxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-(4-hydroxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-toluidino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(3-tert-butylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(2-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-(4-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-({3-nitropyridin-2-yl}amino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-{[5-({4-[(3-aminopyridin-2-yl)amino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}-4-chlorobenzamide;

4-chloro-N-[(5-{[4-(pyrimidin-2-ylamino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-({5-[4-{[4-(trifluoromethyl)pyrimidin-2-yl]amino}piperidin-1-yl]sulfonyl}thien-2-yl)methyl)benzamide;

4-chloro-N-[(5-{[4-(3-ethylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-(quinolin-5-ylamino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-chloro-N-[(5-{[4-(quinolin-8-ylamino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-nitro-N-({5-[4-{3-
[(trifluoromethyl)sulfonyl]anilino}piperidin-1-yl]sulfonyl}thien-2-yl)methyl)benzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-nitrobenzamide;

N-[(5-{[4-(2,4-difluorobenzoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-nitrobenzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-nitrobenzamide;

3-nitro-N-[(5-{[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-{[5-({4-[3-(dimethylamino)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]-3-nitrobenzamide;

3-nitro-N-{[5-({4-[3-(methylsulfonyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

3-nitro-N-{[5-({4-[3-(methylsulfanyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

methyl 3-([1-({5-[(3-nitrobenzoyl)amino)methyl]-
thien-2-yl)sulfonyl)-piperidin-4-yl]amino}benzoate;

N-([5-({4-[3-(aminocarbonyl)anilino]piperidin-1-
yl)sulfonyl}thien-2-yl)methyl)-3-nitrobenzamide;

3-nitro-N-({5-[(4-{3-nitroanilino}piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

3-nitro-N-([5-([4-(2-methoxyanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

3-nitro-N-({5-[(4-{2-nitroanilino}piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-([5-([4-(4-chloroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]-3-nitrobenzamide;

3-nitro-N-({5-[(4-{4-
[(trifluoromethyl)sulfonyl]anilino}piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-([5-({4-[4-(aminocarbonyl)anilino]piperidin-1-
yl)sulfonyl}thien-2-yl)methyl)-3-nitrobenzamide;

N-([5-([4-(3-propylanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]-3-nitrobenzamide;

N-([5-([4-(3-chloroanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]-4-nitrobenzamide;

4-nitro-N-([5-([4-(3-methoxyanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}benzamide;

N-{{5-({4-[3-(dimethylamino)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}-4-nitrobenzamide;

4-nitro-N-[(5-{[4-(3-propylanilino)piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

4-nitro-N-{{5-({4-[3-(methylsulfonyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}benzamide;

4-nitro-N-{{5-({4-[3-(methylsulfanyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}benzamide;

methyl 3-{{1-({5-[(4-nitrobenzoyl)amino)methyl]-thien-2-yl}sulfonyl)piperidin-4-yl}amino}benzoate;

3-{{1-({5-[(4-nitrobenzoyl)amino)methyl]thien-2-yl}sulfonyl)piperidin-4-yl}amino}benzamide;

4-nitro-N-({5-[(4-{3-nitroanilino}piperidin-1-yl)sulfonyl]thien-2-yl)methyl)benzamide;

4-nitro-N-[(5-{[4-(2-methoxyanilino)piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

4-nitro-N-({5-[(4-{2-nitroanilino}piperidin-1-yl)sulfonyl]thien-2-yl)methyl)benzamide;

N-[(5-{[4-(4-chloroanilino)piperidin-1-yl}sulfonyl)thien-2-yl)methyl]-4-nitrobenzamide;

4-nitro-N-({5-[(4-{4-
[(trifluoromethyl)sulfonyl]anilino}piperidin-1-
yl)sulfonyl]thien-2-yl)methyl)benzamide;

N-{ [5-({4-[4-(aminocarbonyl)anilino]piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}-4-nitrobenzamide;

N-({5-[(4-anilinopiperidin-1-yl)sulfonyl]thien-2-
yl)methyl)-3-nitrobenzamide;

N-({5-[(4-anilinopiperidin-1-yl)sulfonyl]thien-2-
yl)methyl)-4-nitrobenzamide;

3-nitro-N-[(5-{ [4-({3-nitropyridin-2-
yl)amino}piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

3-nitro-N-[(5-{ [4-(2-propylanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]benzamide;

3-nitro-N-[(5-{ [4-(4-propylanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-[(5-{ [4-(3-tert-butylanilino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]-3-nitrobenzamide;

3-nitro-N-[(5-{ [4-(2-phenylethyl)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]benzamide;

4-nitro-N-[(5-{ [4-(pyrimidin-2-ylamino)piperidin-1-
yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-{ [5-({4-[(3-aminopyridin-2-yl)amino]piperidin-1-
yl)sulfonyl]thien-2-yl)methyl}-4-nitrobenzamide;

4-nitro-N-[(5-{[4-({3-nitropyridin-2-yl}amino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-nitro-N-[(5-{[4-(2-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-nitro-N-[(5-{[4-(4-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(3-tert-butylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-nitrobenzamide;

4-nitro-N-[(5-{[4-(2-phenylethyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(2-aminoanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-nitrobenzamide;

3-nitro-N-[(5-{[4-(pyrimidin-2-ylamino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-{[5-({4-[(3-aminopyridin-2-yl)amino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}-3-nitrobenzamide;

N-({5-[4-{2-nitro-4-[(trifluoromethyl)sulfonyl]anilino}piperidin-1-yl]sulfonyl}thien-2-yl)methyl)-3-methoxybenzamide;

N-[(5-{[4-(3-ethylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-nitrobenzamide;

N-[(5-{[4-(2,4-difluorobenzoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-nitrobenzamide;

N-[(5-{[4-(2,4-difluorobenzoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

2-Hydroxy-N-({5-[4-{3-[(trifluoromethyl)sulfonyl]anilino}piperidin-1-yl)sulfonyl}thien-2-yl)methyl)benzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-2-hydroxybenzamide;

3-methoxy-N-[(5-{[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-{[5-({4-[3-(dimethylamino)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]-3-methoxybenzamide;

3-methoxy-N-[(5-{[4-(3-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

3-methoxy-N-{[5-({4-[3-(methylsulfonyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

3-methoxy-N-{[5-({4-[3-(methylsulfonyl)anilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]benzamide;

methyl 3-({1-[(5-{[(3-methoxybenzoyl)amino]-methyl}thien-2-yl)sulfonyl]piperidin-4-yl}amino)-benzoate;

N-([5-([4-[3-(aminocarbonyl)anilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

3-methoxy-N-([5-([4-(2-methoxyanilino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide;

N-([5-([4-[3-nitroanilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-([5-([4-[2-nitroanilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-([5-([4-[4-(aminocarbonyl)anilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-([5-([4-(3-chloroanilino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-([5-([4-(4-chloroanilino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

3-methoxy-N-([5-([4-[4-
[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)benzamide;

3-methoxy-N-([5-([4-[3-
[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl)benzamide;

N-([5-([4-anilinopiperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-([5-([4-(4-hydroxyanilino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide;

N-[(5-{[4-(2-hydroxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

3-methoxy-N-[(5-{[4-(pyrimidin-2-ylamino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-{[5-({4-[(3-aminopyridin-2-yl) amino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl]-3-methoxybenzamide;

N-[(5-{[4-({3-nitropyridin-2-yl}amino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

3-methoxy-N-[(5-{[4-(2-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

3-methoxy-N-[(5-{[4-(4-propylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(3-tert-butylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

3-methoxy-N-[(5-{[4-(2-phenylethyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-[(5-{[4-(3-ethylanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-2-oxo-1,2-dihydropyridine-3-carboxamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3,4-dihydroxybenzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]pyridine-2-carboxamide;

~~N-[(5-{[4-(hexyloxy)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;~~

N-[(5-{[4-(heptanoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-3-methoxybenzamide;

4-chloro-N-[(5-{[4-(3-propylanilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-chloroanilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-(trifluoromethyl)anilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-(dimethylamino)anilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-(methylsulfonyl)anilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

4-chloro-N-[(5-{[4-(3-(methylsulfanyl)anilino)piperidin-1-yl]sulfonyl}-2-furyl)methyl]benzamide;

methyl 3-({1-[(5-[(4-chlorobenzoyl)amino]methyl)-2-furyl)sulfonyl]piperidin-4-yl}amino)benzoate;

3-({1-[(5-[(4-chlorobenzoyl)amino]methyl)-2-furyl)sulfonyl]piperidin-4-yl}amino)benzamide;

4-chloro-N-({5-[(4-{3-nitroanilino}piperidin-1-yl)sulfonyl]-2-furyl)methyl)benzamide;

4-chloro-N-[(5-[(4-(2-methoxyanilino)piperidin-1-yl)sulfonyl]-2-furyl)methyl]benzamide;

4-chloro-N-({5-[(4-{2-nitroanilino}piperidin-1-yl)sulfonyl]-2-furyl)methyl)benzamide;

4-chloro-N-[(5-[(4-(4-chloroanilino)piperidin-1-yl)sulfonyl]-2-furyl)methyl]benzamide;

4-chloro-N-({5-[(4-{4-[(trifluoromethyl)sulfonyl]anilino}piperidin-1-yl)sulfonyl]-2-furyl)methyl)benzamide;

N-([5-({4-[4-(aminocarbonyl)anilino]piperidin-1-yl)sulfonyl)-2-furyl)methyl]-4-chlorobenzamide;

4-chloro-N-({5-[(4-{3-[(trifluoromethyl)sulfonyl]anilino}piperidin-1-yl)sulfonyl]-2-furyl)methyl)benzamide; and

N-({5-[(4-anilinopiperidin-1-yl)sulfonyl]-2-furyl)methyl)-4-chlorobenzamide.

12. (Previously Presented) A sulfonamide compound according to claim 11, which is selected from the group consisting of:

4-chloro-N-[(5-{[4-(2,4-difluorobenzoyl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

N-({5-[(4-anilinopiperidin-1-yl)sulfonyl]thien-2-yl)methyl)-4-chlorobenzamide;

N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

N-[(5-{[4-(1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-4-chlorobenzamide;

4-chloro-N-{[5-({4-[3-propylanilino]piperidin-1-yl}sulfonyl)thien-2-yl)methyl}benzamide;

4-chloro-N-[(5-{[4-(4-chloroanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

4-nitro-N-[(5-{[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]benzamide;

methyl 3-{[1-({5-[(4-nitrobenzoyl)amino)methyl]thien-2-yl}sulfonyl)piperidin-4-yl]amino}benzoate;

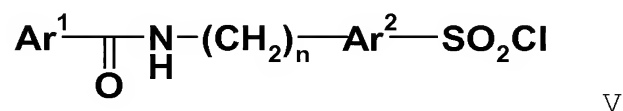
N-[(5-{[4-(1H-1,2,3-benzotriazol-1-yl)piperidin-1-yl]sulfonyl}thien-2-yl)methyl]-2-hydroxybenzamide; and

N-({5-[(4-{2-nitroanilino}piperidin-1-yl)sulfonyl]thien-2-yl)methyl)-3-methoxybenzamide.

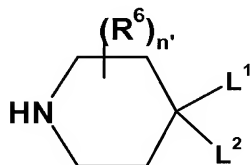
Claims 13-19. (Cancelled)

20. (Previously Presented) A pharmaceutical composition containing at least one sulfonamide compound according to claim 1 and a pharmaceutically acceptable carrier, diluent or excipient.

21. (Previously Presented) Process for the preparation of a sulfonamide compound according to claim 1, comprising reacting a sulfonyl chloride according to formula V



with an amine according to formula VIII



whereby

n is an integer of from 0 to 5,

n' is an integer of from 0 to 4,

R⁶ is selected from the group consisting of hydrogen, substituted or unsubstituted C₁-C₆ alkyl, substituted or unsubstituted C₁-C₆ alkoxy, OH, halogen, nitro, cyano, sulfonyl and oxo;

L¹ and L² are independently selected from the group consisting of hydrogen, substituted or unsubstituted C₂-C₆ alkyl, substituted or unsubstituted C₂-C₆ alkenyl, and substituted or unsubstituted C₃-C₆ alkynyl; or L¹ and L² are independently selected from the group consisting of substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, aryl- C₁-C₆ alkyl, heteroaryl- C₁-C₆ alkyl, substituted or unsubstituted cyclic C₄-C₈ alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl, -C(O)R³, -C(O)OR³, -C(O)-NR^{3'}R³, -NR^{3'}R³, -NR^{3'}C(O)R³, -NR^{3'}C(O)R^{3'}R³, -(SO)R³, (SO₂)R³, NHSO₂R³ and SO₂NR^{3'}R³;

with R³ and R^{3'} being substituents independently selected from the group consisting of hydrogen, substituted or unsubstituted C₁-C₆ alkyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or

unsubstituted aryl- C₁-C₆ alkyl and substituted or
unsubstituted heteroaryl- C₁-C₆ alkyl;

said aryl or heteroaryl groups being optionally
substituted C₁-C₆ alkyl, C₁-C₆ alkoxy, C₂-C₆ alkenyl, C₂-C₆
alkynyl, amino, acylamino, aminocarbonyl, C₂-C₆ alkoxycarbonyl,
aryl, carboxyl, cyano, halogen, hydroxy, nitro, sulfonyl,
sulfoxy and C₁-C₆ thioalkoxy.

22. (Previously Presented) A process according to
claim 21, wherein said sulfonyl chloride of formula V is
obtained by

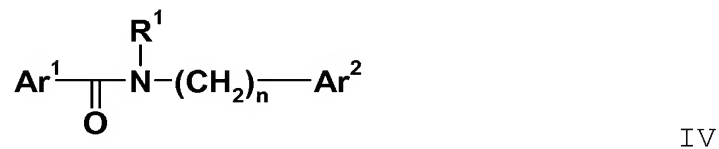
a) coupling an amine of formula II:



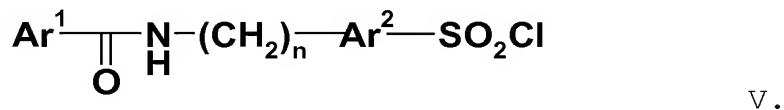
with an acyl chloride of formula III:



to provide an amide of formula IV:



b) sulfonating the amide of formula IV to provide
the sulfonyl chloride of formula V



Claims 23-26. (Cancelled)

27. (Previously Presented) The sulfonamide compound according to claim 1 wherein n is an integer of from 1 to 3.

28. (Previously Presented) The sulfonamide compound according to claim 27 wherein n is 1.

29. (Previously Presented) The composition according to claim 2 wherein n is an integer of from 1 to 3.

30. (Previously Presented) The composition according to claim 29 wherein n is 1.

31. (Previously Presented) The composition according to claim 2 wherein n is 1 or 2.

Claims 32-34. (Cancelled)

35. (Previously Presented) The sulfonamide compound according to claim 5 wherein the C₁-C₆ alkyl group is trihalomethyl.

Claims 36-41. (Cancelled)